

21. A method for computerized modeling of a chamber to enable estimation of chamber attributes, comprising the steps of:

(a) selecting a default polyhedron as an estimation polyhedron, said estimation polyhedron having a plurality of vertices and facets each facet having at least one characteristic and comprised of at least one estimation attribute including an area;

(b) dragging at least one of said plurality of vertices to alter at least one of said characteristics of a facet of said estimation polyhedron to approximate said chamber undergoing estimation;

(c) recalculating said at least one estimation attribute of said altered facet and adjacent ones of said plurality of facets of said estimation polyhedron as modified by said morphing step; and

(d) repeating said altering and recalculating steps until said estimation polyhedron accurately depicts said chamber such that said calculated estimation attribute accurately estimates said chamber.

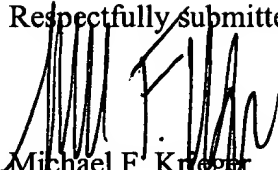
22. The method as recited in claim 21, wherein:

said altering step further comprises the step of when additional facets better approximate said chamber undergoing approximation, partitioning said selected facet of said estimation polyhedron into at least a first and a second altered facet to provide an improved estimation of said chamber undergoing estimation; and

said recalculating step further comprising the step of including additional estimation attributes corresponding to said first and second altered facets.

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Respectfully submitted,



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